

ORDINANCE NO. 88-5

ORDINANCE FOR ADOPTION  
OF THE  
NATIONAL ELECTRICAL CODE,  
1987 EDITION

AN ORDINANCE REPEALING THE NATIONAL ELECTRICAL CODE, 1984 EDITION, ADOPTING THE NATIONAL ELECTRICAL CODE, 1987 EDITION, PROVIDING FOR MINIMUM STANDARDS AND REGULATIONS GOVERNING THE INSTALLATION, CONSTRUCTION, MAINTENANCE OR REPAIR OF ELECTRICAL WIRING OF, OR IN BUILDINGS, APPARATUS OR EQUIPMENT WITHIN THE UNINCORPORATED AREAS OF COCONINO COUNTY, PROVIDING FOR THE PENALTIES FOR THE VIOLATION THEREOF, AND DECLARING AN EMERGENCY.

BE IT ORDAINED by the Board of Supervisors of Coconino County, State of Arizona, as follows:

SECTION 1: That from and after the effective date of this Ordinance, the National Electrical Code, 1984 Edition, is hereby repealed.

SECTION 2: That from and after the effective date of this Ordinance, all electrical wiring in or in connection with the construction, installation, alteration or repair of a building or structure, apparatus or equipment within the Unincorporated Areas of Coconino County, State of Arizona, shall be done according to and in conformity with the requirements of the National Electrical Code, 1987 Edition, and supplements, revisions, amendments thereto, and there is hereby adopted by Coconino County for the purpose of establishing rules, regulations, and minimum requirements for the construction, installation, alteration or repair of buildings, structures, apparatus and equipment with electric wiring, the National Electrical Code, 1987 Edition, of which not less than one (1) copy has been and now is on file in the office of the Clerk of the Board of Supervisors and the same is hereby adopted by this reference as if fully therein set forth, and from the date on which this Ordinance shall take effect, the provisions and requirements thereof shall be controlling in the construction, installation, alteration or repair of all buildings, or other structures, apparatus and equipment therein contained within the Unincorporated Areas of Coconino County.

SECTION 3: No wiring in connection with the construction, installation or alteration of any building or other structure, apparatus or equipment shall be commenced until a permit has been issued and the required fees as specified in the National Electrical Code, 1987 Edition, have been paid to the Building Official, Coconino County.

SECTION 4: It shall be unlawful for any person, firm or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use, occupy or maintain any building or structure in the county, or cause or permit the same to be done, contrary to or in violation of any of the provisions of this Code.

Any person, firm or corporation violating any of the provisions of this Code or any part thereof, shall be guilty of a Class 2 misdemeanor, and each such person, firm or corporation shall be guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of this Code is committed, continued, or permitted.

SECTION 5: This Ordinance does not apply to any offense committed prior to the effective date of this Ordinance. Any offense committed prior to the effective date of this Ordinance is punishable as provided by the Ordinance in force at the time the offense was committed.

SECTION 6: If any section, subsection, clause, or phrase of the Ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portion of this Ordinance. The Board of Supervisors of Coconino County hereby declares that it would have passed this Ordinance and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that any one or more sections, subsections, clauses, or phrases be declared unconstitutional.

SECTION 7: Whereas, the immediate operation of the provisions of this Ordinance is necessary for the preservation of the public peace, health and safety of the County of Coconino and the citizens and inhabitants thereof, an emergency is hereby declared to exist and this Ordinance shall be in full force and effect from and after its approval and passage by the Coconino County Board of Supervisors.

PASSED and ADOPTED this 18th day of July, 1988, by the  
Coconino County Board of Supervisors by the following roll call vote:

AYES: Supervisors' Wells, Yellowman, Tachias, Hannah and Chairman Babbitt

NOES: None

ABSENT: None

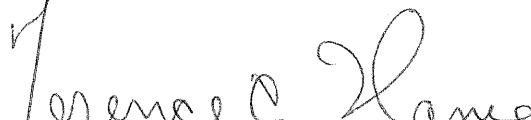
COCONINO COUNTY BOARD OF SUPERVISORS

  
\_\_\_\_\_  
Paul J. Babbitt, Chairman

ATTEST:

APPROVED AS TO FORM  
John J. Verkamp  
Coconino County Attorney

  
\_\_\_\_\_  
Ethel Ulibarri, Clerk

by   
\_\_\_\_\_  
Deputy County Attorney

COCONINO COUNTY  
NATIONAL ELECTRICAL CODE 1987  
AMENDMENTS

The following provisions shall have the effect of either amending, adding to, or deleting from the National Electrical Code, 1987 edition. These amendments shall take precedence over any code requirements in the National Electrical Code.

Amend Article 90 by adding Section 90-9 to read as follows:

ARTICLE 90-9. PERMIT FEES

No wiring in connection with the construction, installation, or alteration of any building or other structures, apparatus, or equipment shall be commenced until a permit has been issued and the required fees paid to the Building Official who shall remit same to the County Treasurer. Said fees shall be as follows:

- (a) Permit.....\$5.00  
Service Entrance.....\$3.00  
Each Circuit (includes fraction of H.P.  
motor outlets for residential use only)...\$3.00  
Motor outlets - each 1 H.P. or less.....\$1.00  
Over 1 H.P. and less than 5 H.P.....\$1.50  
5 H.P. and less than 10 H.P.....\$1.75  
10 H.P. and less than 15 H.P.....\$2.00  
15 H.P. and less than 20 H.P.....\$2.50  
For each additional 10 H.P. or  
fraction thereof over 20 H.P.....\$ .50
- (b) For each electric cooker, heater, range, or  
oven over 10 K.W.....\$3.00
- (c) For temporary lights and motors installed for the  
period of construction of buildings, one half (1/2)  
the regular fee as provided in subsections (a) and  
(b) shall be paid.....\$7.50
- (d) When it is found that work has been started prior to  
obtaining a permit, the permit fee as provided in  
subsections (a) and (b) shall be doubled.
- (e) For any reinspection, the fee shall be thirty  
dollars (\$30.00) per inspection.

Amend Article 90 by adding Section 90-10 to read as follows:

ARTICLE 90-10. TEMPORARY PERMITS

- (a) Permits may be issued when the provisions of Article 305 apply.
- (b) Permits may be issued for an RS Zone if Single Family Dwelling construction plans have been submitted and said plans include a septic tank permit (if required) and a Plan Check Fee of \$100.00 has been paid for plan review.
- (c) Permits may be issued for a General or AR Zone if plans have been submitted for a Single Family Dwelling or Mobile Home Permit has been issued (same requirement as section above) and/or if an accessory structure exists on the property or a permit for an accessory structure has been obtained.

Amend Article 90 by adding Section 90-11 to read as follows:

ARTICLE 90-11. EFFECT OF PERMITS

The issuance of an electrical permit shall not be construed as an approval by the Electrical Inspector of any wiring diagrams, drawings, specifications, or details of such contemplated work insofar as the same or any portion thereof is in conflict with this Chapter or any other rules or regulations governing electric installations in the County. The holder of an electrical permit shall not do or perform any work other than that designated in the application for said permit without first notifying the Electrical Inspector and paying the additional fee therefor. No work shall be permitted at any location other than that designated by the permit. The Electrical Inspector must be given immediate notice when an installation is ready for either rough or final inspection.

Amend Article 110 by adding Part C SPECIAL PROVISIONS Section 110-35 to read as follows:

ARTICLE 110-35. Use of aluminum wire is approved for service entrance conductors and/or panel feeders only, and shall not be used for any other purpose.

Amend Article 110 by adding Part C Special Provisions Section 110-36 to read as follows:

ARTICLE 110-36. SUB-PANEL FEEDERS

All multi-occupancy, residential or commercial, sub-panel feeders shall not be routed through an adjacent occupancy. Below-grade raceways may be either PVC or metal. Above-grade raceways shall be metal and shall extend to a point a minimum of four (4) inches below grade. An underground PVC feeder may extend up to panel height if within its own occupancy. Any PVC feeder raceway shall be approved if totally within its own occupancy and if installed per National Electrical Code requirements.

Amend Article 230-41 by deleting Exceptions a, b, c, and d.

Amend Article 250-75 by adding Section (a) to read as follows:

ARTICLE 250-75. BONDING OTHER ENCLOSURES

- (a) Whenever concentric or eccentric knockouts are encountered throughout an electric system, equipment grounding continuity shall be maintained by Bonding Jumpers.

Amend Article 250-81 by adding Section (e) to read as follows:

ARTICLE 250-81. GROUNDING ELECTRODE SYSTEM

- (e) All new building construction shall have a concrete-encased electrode (Ufer) twenty (20') feet in the footing, and a minimum of #4 bare copper wire. Services larger than 200A shall be sized from Table 250-94. In houses with pier foundation construction, a 1/2" x 8' copper rod will be allowed.

Amend Article 336-3 by adding Section (c) to read as follows:

ARTICLE 336-3. USES PERMITTED

- (c) In any commercial, professional, or educational building or any other occupancy deemed inappropriate for use of these types by the Building Official.

Amend Article 348-1 by adding Section (a) to read as follows:

ARTICLE 348-1. USE

- (a) Electrical metallic tubing (E.M.T.) shall not be allowed for underground raceways.

COCONINO COUNTY  
SERVICE INFORMATION  
AND  
FASTENING REQUIREMENTS

Mounting and fastening requirements for service entrance panels and pad-mounted service entrance sections:

1. Wall-mounted panels
  - a. Wood construction, use screws or bolts.
  - b. Masonry construction, use approved anchors with screws or bolts.
  - c. Nails or drive pins not approved.
2. Pad-mounted sections
  - a. Install two 3/8 inch masonry anchors per walled compartment.
  - b. Drive pins or powder-actuated, threaded studs not approved.

Miscellaneous service information:

1. A 600A and 800A service section require a No Splice one-piece 2/0 grounding electrode conductor and Ufer. Those 1,000A and over require a one-piece 3/0 grounding electrode conductor and Ufer.
2. A bonding jumper is required between neutral and ground bus.
3. Branch circuit, K.O. openings in the top of the unit require the installation of Myers hub. Sides and back of the unit will require either Myers hubs or sealable lock nuts if above bus-bar level.

Arizona Daily Sun Legal No. \_\_\_\_\_

COCONINO COUNTY

ATTENTION - LEGAL PUBLICATIONS

SUBJECT Ordinance for Adoption of the National Electrical Code, 1987 Edition

DATE SUBMITTED August 9, 1988

ACCOUNT NAME: BOARD OF SUPERVISORS

County Account No. 005-04-000

PUBLICATION DATE(S) August 13, 1988

Resolution No. \_\_\_\_\_ Ordinance No. 88-5 Bid No. \_\_\_\_\_

Public Hearing \_\_\_\_\_ Case No. \_\_\_\_\_ Other \_\_\_\_\_

PERSON TO CONTACT AND TELEPHONE NUMBER Ethel Ulibarri (779-6694)

Ethel Ulibarri  
(Signature)

cc: Community Development  
File (2)